



# Ø BEAT

COLO. SPRINGS,  
COLORADO

MARCH 1967

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## THREE COLORADO ARRL OFFICIALS TO VISIT MARCH PPRAA MEETING, GIVE INFORMATION ON NETS, CB AND AREC

Three "distinguished guests" will be present at the March meeting of the PPRAA, starting at 8 p. m., March 8 in the Red Cross Building. They are Dick Hoppe, KØFDH, the new SCM for Colorado, A. E. Hankinson, WAØNQL, assistant Colorado SCM, and Charles M. Cottrell, WØSIN, Section SCM.

According to word received from Dick, FDH, he will outline the flow of traffic in Colorado, with emphasis on inter-net liaison.

"I hope to get constructive comments and suggestions from the group as to how the flow of traffic might be improved,"

Dick stated in a letter to Ø Beat.

Hank, NQL, will explain the legal limits within which CB radio must operate, and Chick, SIN, will discuss AREC matters.

It is also hoped that the trio will have more information on the new proposed 29.600 Mc national QSO frequency which was discussed at some length at the February PPRAA meeting by Richard High. WØHEP, of the Hamster Radio Club of Denver, and perhaps also pass on some information regarding sources of used or surplus CB gear for conversion to that frequency.

Information that the ARRL has approved the idea of 29.600 as a U. S. - Canadian QSO frequency was received in an article received from HEP, printed elsewhere in this issue.

This should be a most interesting meeting. Don't forget to be there!

If there is a red check in this box it indicates that, according to information supplied Ø Beat by the PPRAA secretary, you are remiss in 1967 club dues and your name has been removed from the active member list. However, this issue is being sent on a complimentary basis as a final reminder that from now on your name will be removed from the club records and Ø Beat roster until dues are paid.

## Ø BEAT

Published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., Colorado Springs, Colorado

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The PPRAA meets on the second Wednesday of each month, starting at 8 p. m., in the Red Cross Building, 1600 N. Cascade Ave. All radio amateurs are invited.

COPY DEADLINE for the APRIL Ø BEAT will be March 29.

## ULTIMATUMS

Evidently PPRAA members who read (we hope) last month's Ø Beat did one of two things---either they didn't bother to pay any attention to our admonition regarding payment of 1967 dues, or they promptly forgot about them after they read it.

After going through the card file we use for the circulation list for Ø Beat and weeding out those names not on a list of paid up members supplied by the PPRAA secretary, it was discovered that about 40 per cent of the cards were moved into the "dropout" file.

A number of names removed from the active file were those who have been very active in recent years. It is supposed (and hoped for the benefit of the PPRAA) that the payment of dues has just "slipped their minds."

It was decided, therefore, that, although we threatened to cut off subscriptions with the February issue, this issue of Ø Beat would be sent as a "complimentary" issue to remind members to pay up their dues so that the cards could go back in the active file.

If, by some chance, you are carried on the Ø Beat list as a non-pay, and you have actually paid your dues, don't blame our circulation list---blame the secretary for not supplying us with that information.

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Another matter about which we (and

## PPRAA BOARD OF DIRECTORS

Pres. - Max Main, WØBDH  
Vice. Pres. - Pete Demario, KØUDG  
Secty. - Bill Kraft, W7CMU/Ø  
Treas. - Ed Pompea, KØZPG

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John Summers Sr., WAØHHN  
Harlan Talley, WAØJCS  
Wally Rowland, KØWMD  
George Kowalski, WØGCH

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in this case it is the "editorial we"---consisting of me, myself, and I) have complained, both through Ø Beat and at PPRAA meetings, is in the matter of assistance in getting out the publication---especially the lack of news and articles for publication.

In the ten months since we took over Ø Beat, there have been promises of help in the way of articles, diagrams, etc., ---but numerous promises, none of which serve to fill up the columns of the publication---is as far as things have gone.

Since taking over, our conception of a good Ø Beat has been a publication filled for the most part, with local news, opinions of club members, and information of what PPRAA is doing---not just a publication filled with material copied from other papers.

Without more help from the members, your editor just doesn't have time to dig up the news in addition to all of the work in typing, addressing and mailing of Ø Beat and still maintaining the work load in the newspaper job that brings in that necessary "bread and butter."

All of which boils down to this---if more help in the form of material for Ø Beat is not forthcoming, the April issue will contain our resignation as editor---and it will be up to the board to find someone else to publish and edit Ø Beat.

Frank - WØHWH

## ARRL EXECUTIVE COMMITTEE APPROVES 29.600 QSO FREQ.

The following article was received from Richard High, WØEP, of the Hamsters Club in Denver, who spoke on this subject at the February meeting.

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Several months ago a project was started in Denver to encourage the conversion of 11 meter transceivers to the high end of the 10 meter band and at the same time promote a common QSO frequency for the U. S. and Canada. This coincided with a very timely article in February QST on the conversion of these rigs.

This project--the idea of a common U. S. and Canadian QSO frequency--was presented to the ARRL Executive Committee with the following results.

At the February meeting of the ARRL Executive Committee it was recommended that all amateurs in the U. S. and Canada encourage and support the use of 29.600 Mc. as a common frequency for use by all types of low power AM gear, such as converted walkie-talkies and transceivers, Teners, Rangers, AF-67's and other rigs in this general power category.

The purpose is to encourage monitoring of one or more commonly accepted frequencies--something which can be done quite handily with the converted CB transceivers employing the squelch feature.

This is not meant to replace the present NCEF (National Calling and Emergency Frequency), 29.640 but is a frequency for low power gear. It provides a channel for fixed or mobile operation for rag-chews, AREC activities, and makes an excellent primary or alternate club frequency.

This, as you can see, will assure amateur occupancy of the high end of the 10 meter band.

Experimentation with the 100 mil-

liwatt through the 5 watt power categories indicated that vertical polarization is to be encouraged--an additional factor for improved mobile operation. On-the-air checks indicated that a five watt rig can "break" the sixty to 100 watt rigs to let it be known that an additional station wishes to be heard.

With the existing AREC and RACES nets, as well as club and mobile groups now operating near the high end of ten and with all the cheap used AM rigs in stores and those nearly forgotten since the big sideband swing, there should be many amateurs able to use these frequencies again.

The conversion article in February QST has also produced a lot of interest. Crystal control on 29.600 MC. with nearby alternate frequency channels is a natural as a national common frequency and for local and club use.

Your help is requested in encouraging and implementing this plan for the League-wide use of 29.600 Mc. by all amateurs.

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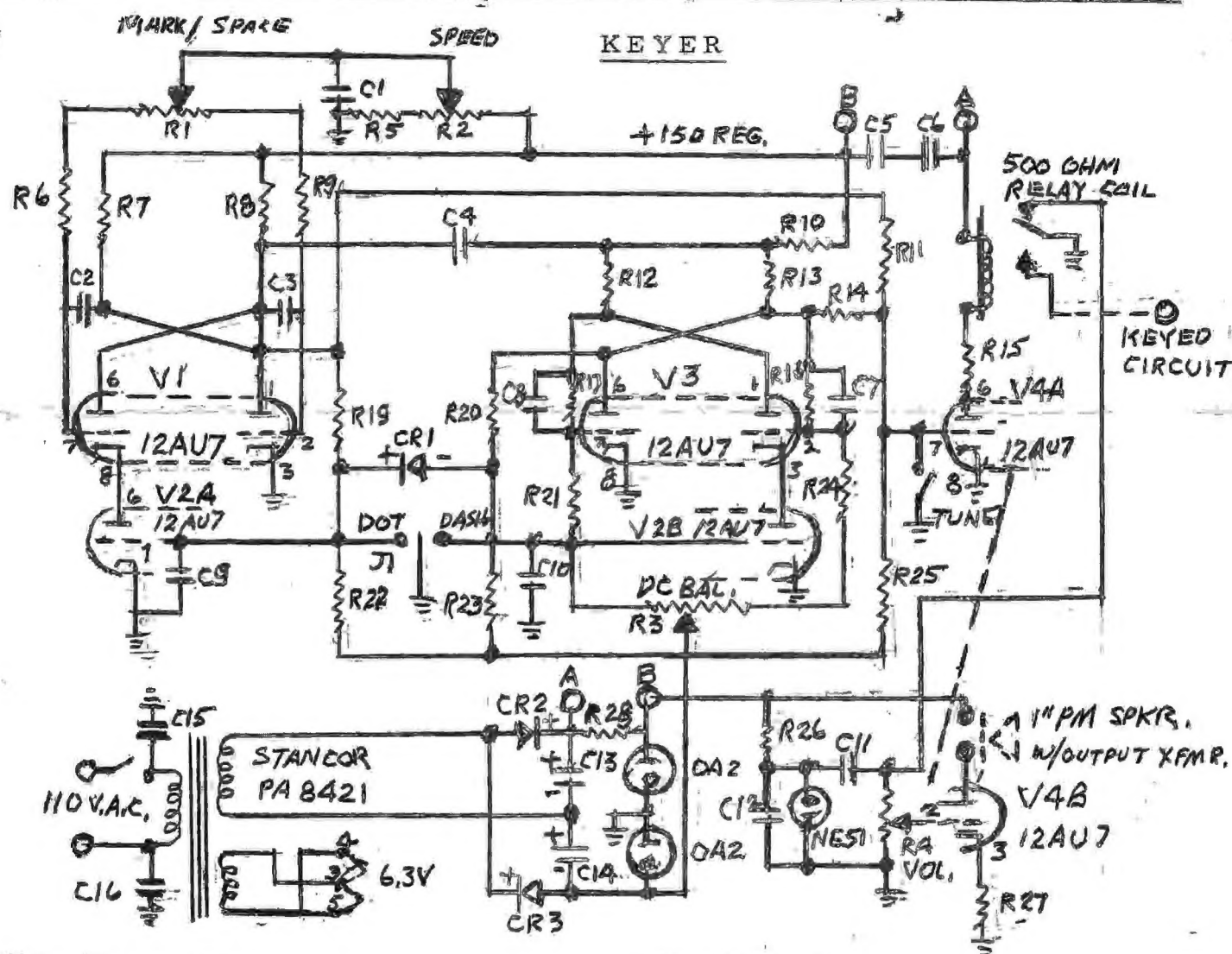
The Fouts--Sgt. Lee, K7MBJ, and his wife Carol, WA7EYU, and family are now in Germany.. Lee returned from a Vietnam duty tour in July.

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Jerry Bishop, KØICQ, was at the right place at the right time on a recent Sunday afternoon. He was driving up the Gold Camp Road when a motorist noticed his call plates and stopped him to tell of a car wreck further up the road, asking him to notify the police. ICQ called on his 2 meter rig to George Kowalski, WØ-GCH, who phoned the police and help was sent to the scene of the accident.

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Bob Roney, WAØGCV, now wearing the gold bars of an Army second lieutenant, is stationed at Fort Knox, Ky.



R1 - 1 meg., linear.  
 R2 - 100K linear  
 R3 - 500K Linear  
 R4 - 500K  
 R5 - 10K  
 R6, R9 - 2.7 meg.  
 R7, R8, R12, R13 - 110K, 1w.  
 R10 - 22K  
 R11, R22, R23, R25, R26 - 2.2 meg.  
 R14 - 1 meg.  
 R15 - 4700  
 R16, R17, R21, R24 - 680K  
 R27 - 470, 1w.

R28 - 2500, 5w.

Resistors 1/2 watt except as noted.

C1, C2, C3, C5, C6, C9, C10 - .02

C4, C7, C8, C12 - .001

\*C11 - .002

C13, C14 - 20, 250v.

C15, C16 - .01

\*C11 may have to be changed to make speaker work properly.

CR1, CR2, CR3 - M-500

(Any diode with 20 to 1 ratio)

The above keyer, by Leawn Wixon, WAØKNH, was the basis for the one built for Rosie Lewis, WAØMNL by her cousin, Hal Kirlin, WAØAJA, during a recent visit from his qth in Stuart, Iowa.

Rosie was so pleased with the way

the electronic keyer works that she supplied us with the diagram, which is reproduced here for anyone who might be interested in building a like piece of equipment for his (or her) shack.

Frank - WØHWH



## MEET OUR VISITORS

The following biographical information on the three ARRL officials who are to visit the PPRAA at the March meeting was furnished by these individuals.

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SCM, Colorado

KØFDH - Dick Hoppe  
Idaho Springs, Colo.

Was first licensed as a general in April 1961 with the present call. "My personal interest in radio has been biased toward public service and consequently most of my time was spent on NTS nets at sectional, regional and area levels." Dick was on the NCS staff of Region 6 RACES, until their abandonment a couple of years ago. He was the net manager of the Colorado Emergency Phone Net prior to its present manager, Eldon Lewis, WAØERA.

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Assistant SCM, Colorado

WAØNQL - A. E. "Hank" Hankinson  
Littleton, Colo.

Born in 1925 in Lowell Mass., Served a hitch in the Marine Corps during World War II, then to school, followed by seven years in the Merchant Marine, mostly on tankers. Went aground two or three times, blew up once. Originally licensed as WIOSF in 1946, then held calls of W5EUL, WB2PHV and present. "Almost exclusively CW, but finally scrounged up SSB for all bands 80 through 10." Taught electronics 4 years for the Federal Aviation Agency in Oklahoma City. Presently employed as Electronics Engineer for Bureau of Indian Affairs. Was SCM for New Jersey for a short period before moving west. Also holds Assistant ARRL Director and ORS appointments. Has been president of four different radio clubs, including Arapahoe Radio Club and Aeronautical Center (Oklahoma City) FAA Club.

SEC, Colorado

KØSIN - Charles M. "Chick" Cotterell  
Lakewood, Colo.

Was licensed in January 1954 in Loveland, Colo., and operated portable in Nebraska, Kansas and Colorado before settling in Lakewood. Joined the Denver Radio Club in 1958 and was elected to the board of governors that year. Was president of the Denver Club in 1961 and 62. Appointed EC by Don Middleton, WØNIT, in 1960 and a year later was named to the SEC post. He continued in that office under Don Crumpton, KØTTB, and also under the new SCM, Dick Hoppe, KØFDH. Suggested formation of the Columbine Net and when the net was started on February 27, 1961, he was NCS. Now a member of the Denver Radio Club, the Hamsters Radio Club (Denver) and the Empire Radio Club. Member of Navy MARS and Assistant ARRL Director. He has also won numerous awards.

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## SIDE BANDS

Ø Beat gets around. The editor got a call from a Mr. Crockett (not Davy) who saw a copy of Ø Beat at D&M Electronics and was interested in finding some ham who was working into Florida so he could contact his brother there. Was quite interested in amateur radio and I invited him to attend one of the meetings and get acquainted. Also put in a plug for the radio code and theory classes of Wally Rowland, KØWMD, if he wanted to work toward a ham ticket. Unfortunately as I type up Ø Beat I can't find the notes with his full name and phone number and there are several Crocketts in the phone book, so I hope he sees this Ø Beat and contacts me again of accept the invitation to attend a PPRAA meeting so that we can help him out.

(See SIDE BANDS)

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## SIDE BANDS

(Continued from Page 5)

Another phone call was received from a Ø Beat reader (didn't say where he saw it) in Fountain--Al Covey, WAØBCR, who has a good commercial-type 6 meter 3 element beam he'd either like to sell for around \$12 or trade on a commercial-type 2 and 6 meter beam, with some additional "green stuff" on his part, if nec-

cessary. If anyone can work a deal, call Al at 382-5409.

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Two more hams--both members of the 5th Infantry Division Band at Fort Carson--joined the PPRAA in February. They are MSgt. Harold L. Jackson, K9-KAH, and SFC Kenneth H. Fry, WNØ-QNG. A few more musicians in the club and we can form our own band.

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